We Claim:

1. A sheet-processing machine, comprising:

at least one processing station being a printing unit;

a stacking station for holding a stack formed from processed sheets and disposed downstream of said printing unit;

a delivery with an endless conveyor transporting the processed sheets in a direction of the stack and disposed downstream of said printing unit;

after-grippers following an after-gripper path during operation for taking over the processed sheets from said endless conveyor and releasing the processed sheets over the stack;

a mechanism guiding said after-grippers, said mechanism being set to positions correlating with different formats of the processed sheets; and

a drive actuating said mechanism, said drive keeping said mechanism at one and the same phase angle with respect to said printing unit in each of the positions.

2. The machine according to claim 1, wherein said mechanism and said drive form one structural unit disposed to be displaced with respect to said delivery.

3. The machine according to claim 1, wherein said endless conveyor and said mechanism have a torque-transmitting connection with each other.

4. The machine according to claim 3, wherein said torque-transmitting connection is a telescopically constructed drive shaft.

5. The machine according to claim 3, wherein said torque-transmitting connection is a flexible drive having an endless flexible drive unit acting on said mechanism.

6. The machine according to claim 5, wherein during a change in the positions of said mechanism, said flexible drive is driven such that said mechanism is not actuated.

7. The machine according to claim 5,

wherein said endless conveyor contains a first conveyor and a second conveyor, said first conveyor having and bearing first gripper bars for gripping leading gripper edges of the

processed sheets, and said second conveyor having and bearing second gripper bars for gripping trailing gripper edges; and

further comprising a rotary coupling operating in one of a first operating state and a second operating state, operating in the first operating state produces a drive connection between said first conveyor and said second conveyor and, operating in the second operating state releases said second conveyor for a phase adjustment with respect to said first conveyor, and said torque-transmitting connection between said mechanism and said endless conveyor exists with said second conveyor.

8. The machine according to claim 7, further comprising an actuating drive having a drive connection to said second conveyor through said rotary coupling in a second operating state of rotary coupling and, in a first operating state of said rotary coupling, said actuating drive is uncoupled from said second conveyor.

9. The machine according to claim 8, further comprising:

a further actuating device actuated rotationally and having an actuating wheel for setting the positions of said mechanism; and

a drive connection between said actuating wheel and said actuating drive.

10. The machine according to claim 1, wherein said delivery has a sheet guide device which can be set to different formats of the processed sheets, and said sheet guide device has ends with clearances formed therein, said after-grippers engaging in said clearances and taking over the processed sheets from said endless conveyor.

11. The machine according to claim 10, wherein said sheet guide device has a stationary first guide section and a second guide section following said stationary first guide section in a direction of the stack and adjoins said stationary first guide section, said second guide section can be adjusted for accommodating different formats of the processed sheets, said first stationary first guide section and said second guide section have mutually facing end sections which inter-engage in a manner of a comb, and said clearances are formed in said second guide section.

12. A rotary press, comprising:

at least one processing station being a printing unit;

a stacking station for holding a stack formed from processed sheets and disposed downstream of said printing unit;

a delivery with an endless conveyor transporting the processed sheets in a direction of the stack and disposed downstream of said printing unit;

after-grippers following an after-gripper path during operation and taking over the processed sheets from said endless conveyor and releasing the processed sheets over the stack;

a mechanism guiding said after-grippers, said mechanism being set to positions correlating with different formats of the processed sheets; and

a drive for actuating said mechanism, said drive keeping said mechanism at one and the same phase angle with respect to said printing unit in each of the positions.